

01-28-02

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Docket No.: M-10289 US

January 24, 2002

Box Amendments  
Commissioner For Patents  
Washington, D.C. 20231

Re: Applicant(s): Jing-Lu Gu  
Assignee: SanDisk Corporation  
Title: Multiple Function, Bi-Directional Input/Output Interface For Sound Processing System  
Serial No.: 08/936,559  
Examiner: L. Grier  
Docket No.: M-10289 US  
Filed: September 24, 1997  
Group Art Unit: 2644

Dear Sir:

Transmitted herewith are the following documents in the above-identified application:

- (1) Return Receipt Postcard;
- (2) This Transmittal Letter (in duplicate); and
- (3) Amendment.

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☒ The fee has been calculated as shown below:

**CLAIMS AS AMENDED**

|   | Claims Remaining<br>After Amendment |       | Highest No.<br>Previously<br>Paid For |   | Present<br>Extra | Rate      | Additional Fee |
|---|-------------------------------------|-------|---------------------------------------|---|------------------|-----------|----------------|
| Total Claims  | 28                                  | Minus | 36                                    | = | 0                | x \$18.00 | \$ 0.00        |
| Independent Claims  | 10                                  | Minus | 7                                     | = | 3                | x \$84.00 | \$ 252.00      |
| <input type="checkbox"/> Fee for Request for Extension of Time  |                                     |       |                                       |   |                  |           | \$             |
| <b>Total additional fee for this Amendment:</b>   |                                     |       |                                       |   |                  |           | \$ 252.00      |
| <input type="checkbox"/> Conditional Petition for Extension of Time: If an extension of time is required for timely filing of the enclosed document(s) after all papers filed with this transmittal have been considered, an extension of time is hereby requested. |                                     |       |                                       |   |                  |           |                |
| <input checked="" type="checkbox"/> Please charge our Deposit Account No. 19-2386 in the amount of  |                                     |       |                                       |   |                  |           | \$ 252.00      |
| <input checked="" type="checkbox"/> Also, charge any additional fees required and credit any overpayment to our Deposit Account No. 19-2386.  |                                     |       |                                       |   |                  |           |                |
| <b>Total:</b>   |                                     |       |                                       |   |                  |           | \$ 252.00      |

EXPRESS MAIL  
LABEL NO.:  
EV052132435US

Respectfully submitted,

Michael G. Cleveland  
Reg. No. 46,030

January 24, 2002  
Date

#15 D  
2/4/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Jing-Lu Gu

Title: MULTIPLE FUNCTION, BI-DIRECTIONAL INPUT/OUTPUT  
INTERFACE FOR SOUND PROCESSING SYSTEM

Serial No.: 08/936,559

Filing Date: September 24, 1997

Examiner: L. Grier

Group Art Unit: 2644

Docket No.: M-10289 US



San Francisco, California

January 24, 2002

BOX AMENDMENT  
COMMISSIONER FOR PATENTS  
Washington, D. C. 20231

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AMENDMENT

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Dear Sir:

Responsive to the Official Action mailed on October 24, 2001, applicant responds to the Official Action as follows:

In the Claims:

Please replace claim 4 with the following (a marked up version is in the Appendix below):

--4.(Twice Amended) A sound processing system comprising:  
a speaker;  
an integrated circuit having a first terminal coupled to the speaker, the integrated circuit further comprising:  
an output circuit coupled to the first terminal, wherein the output circuit applies to the first terminal an analog output signal to drive the speaker;  
an input circuit coupled to the first terminal, wherein the input circuit processes an input signal from the speaker via the first terminal  
a functional unit; and  
an activation circuit that activates the functional unit in response to the input signal from the speaker exceeding a threshold level, wherein the functional unit

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